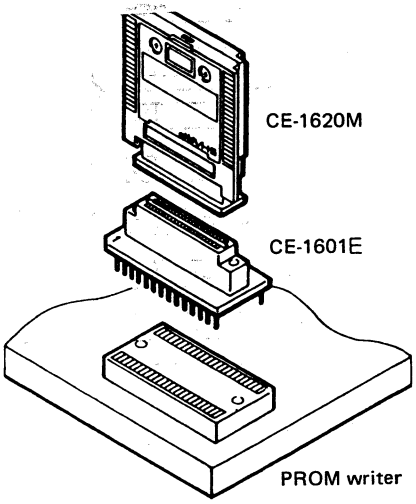
CE-1620M
CE-1601E

SHARP SERVICE MANUAL

CODE: 00ZCE1620MSME



CE-1620M
MODEL CE-1601E

- **PROM Module and PROM Interface**

1. INTRODUCTION

- The CE-1620E is a 32 KB PROM module to be used in the PC-1600 Pocket Computer.
  For only a single chip of the PROM is mounted on the board, it may not require to replace the PROM chip only. To troubleshoot a failure in the PROM, replace the whole unit. Note that the program stored in the PROM will be lost, then.
- To trouble shoot a failure in the CE-1601E, replace the whole unit.

2. SPECIFICATIONS

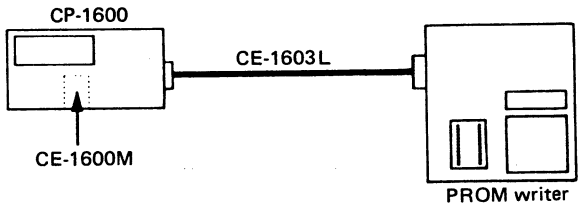
Model	: CE-1620M (32KB PROM Module)
Operatig temperature	: 0°C ~ 40°C
Physical dimension	: 40.9 mm x 42.8 mm x 8.5 mm
Appox	: 12g
Accessories	: Case, space cover, instruction book
Model	: CE-1601E
Type	: Interface
External Dimensions	: 21 mm(W) x 40 mm(D) x 21 mm(H) 13/16"(W) x 1-9/16"(D) x 13/16"(H)
Weight	: Approximately 10g (0.02 lbs)
Accessories	: Operation Manual

Note: The socket capacity (number of times connection and be made) is approximately 500.

3. WRITING A PROGRAM INTO THE CE-1620M

〈Necessary equipment〉

Portable computer	: PC-1600
Program module	: CE-1600M (32 K RAM module)
Connection cable	: CE-1603L (for RS-232C terminals)
PROM writer	: DATA I/O Model 29B or Model 22, 201
Writing interface	: CE-1601E
PROM module	: CE-1620M



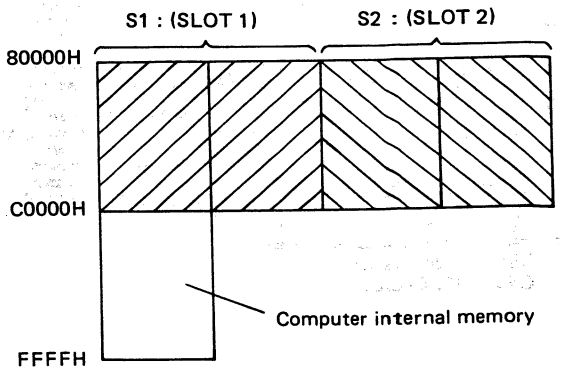
Set the PROM writer in accordance with Fujitsu 27C256. This setting will provide a writing voltage (Vpp) of 21V.

(About the procedure to write a program into the CE-1620M, see the instruction book of the CE-1620M.)

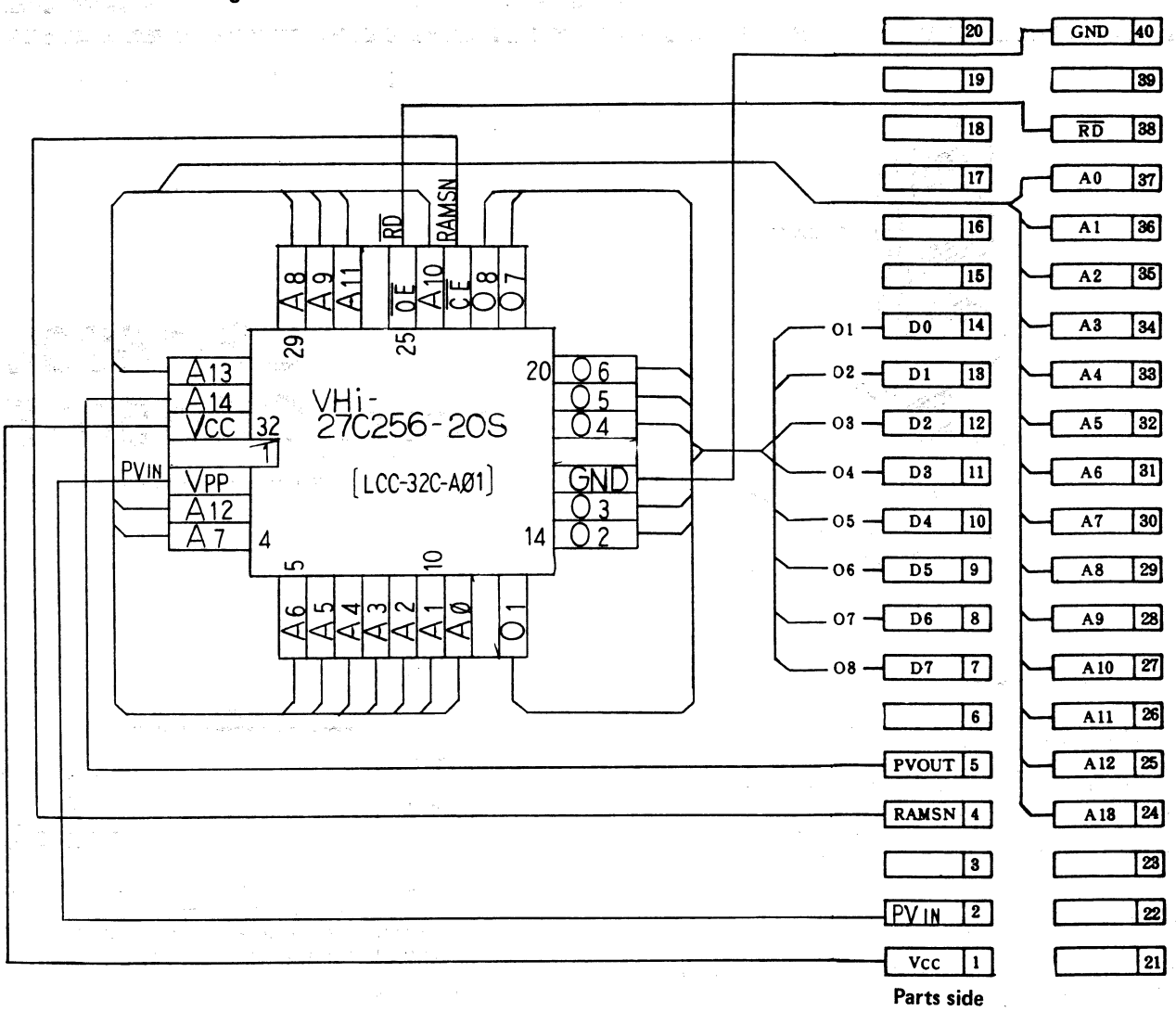
4. Precautions

- When the BATT sign came active on the PC-1600 display, the unit has to be promptly connected with the ac adaptor or the battery cells ahve to be replaced with fresh ones.
- See the PC-1600 Instruction Book for replacement procedure of battery cells.
- Pay attention for static when handling the module as it may likely to destruct an internal circuit. Before handling the module, touch a metallic portion of a door knob, or a desk to release static charge in your body.
  Never tough the module terminals.

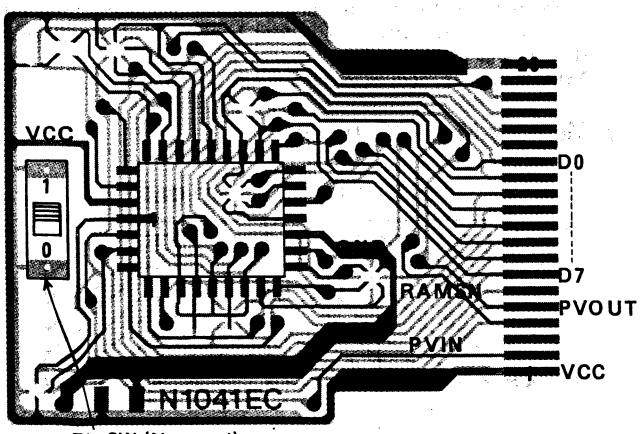
5. Memory Map (PC-1600)



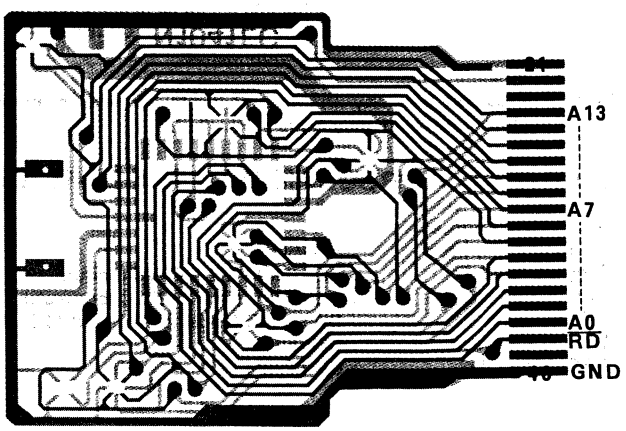
6. CE-1620M Circuit Diagram



7. CE-1620M Parts & Signal Description



Dip SW (Not used)
QSW-S1347CCZZ



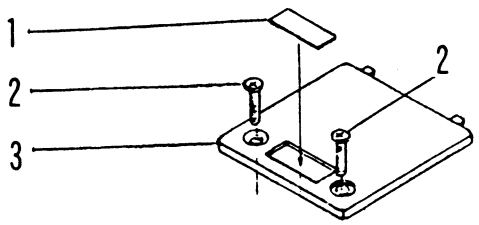
8. CE-1620M Parts List & Guide

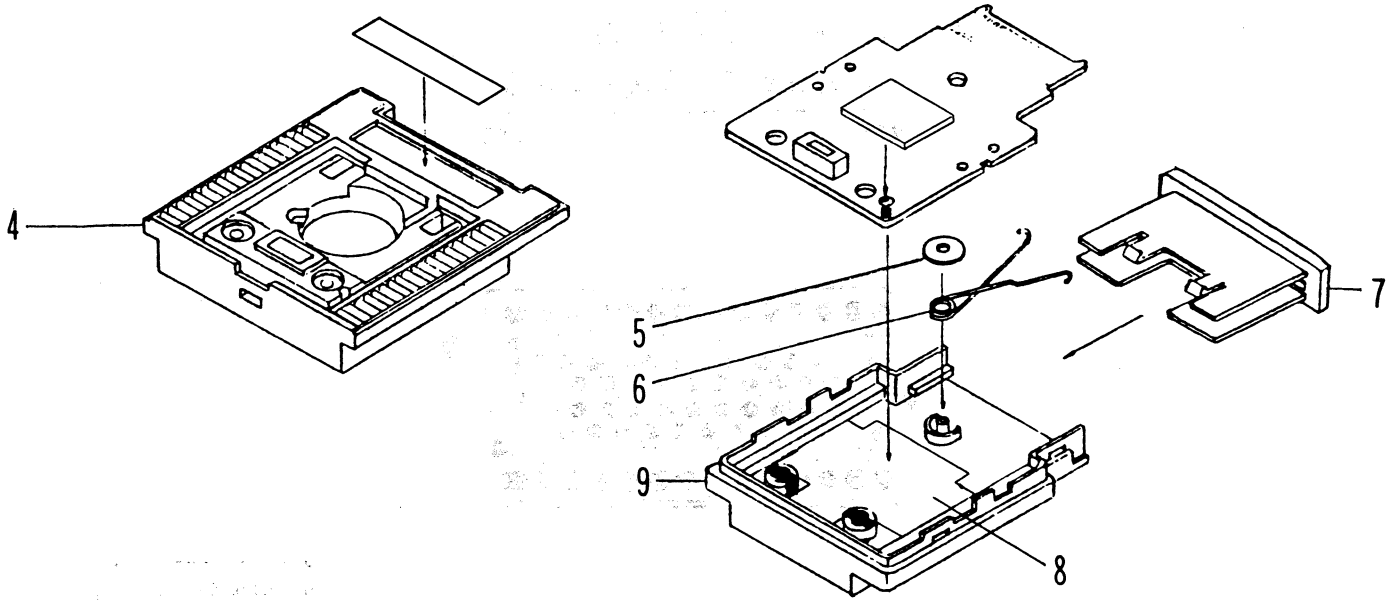
1 Exteriors

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	HDECA1014ECZZ	AB	N	C	Panel
2	LX−BZ1007ECZZ	AA		C	Screw
3	HDECA1006ECZA	AF	N	C	DEC. panel
4	GCABB1003ECZZ	AC		D	Top cabinet
5	PSHEP1011ECZZ	AB		C	Sheet
6	MSPRC1202CCZZ	AC		C	Spring
7	GCABC2672CCSA	AC		D	Terminal cover
8	PSLDC1010ECZZ	AB		C	Shield panel
9	GCABA1004ECZZ	AF		D	Bottom cabinet

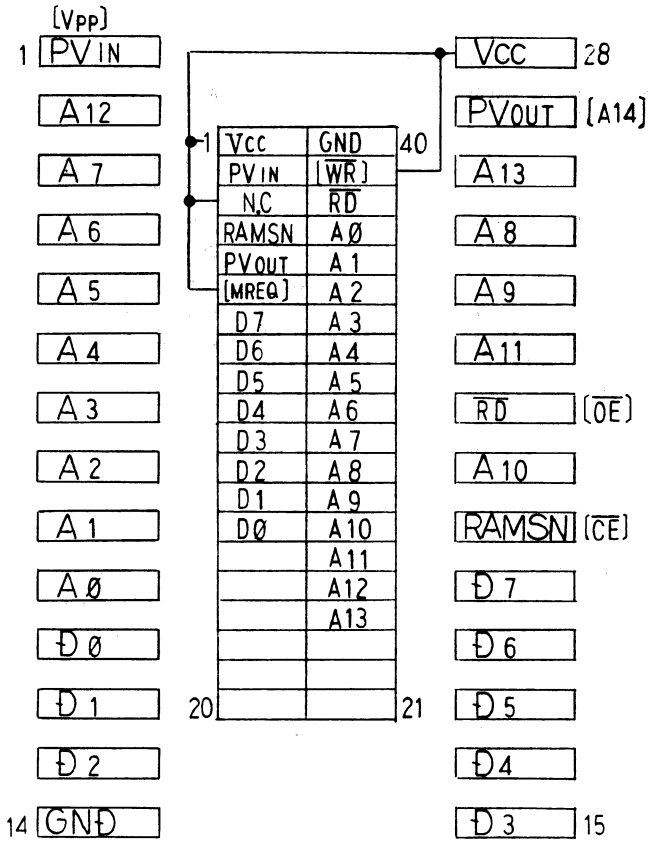
2 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	SPAKC0173ECZZ	AK	N	D	Packing case
2	SPAKA7307CCZZ	AC		D	Packing cushion
3	GCASP1091CCZZ	AE		D	Plastic case (bottom)
4	GCASP1092CCZZ	AD		D	Plastic case (top)
5	PPACG1001ECZZ	AE		C	Cushion (in plastic case)
6	GFTAU1281CCSA	AB		D	Space cover
7	TCAUZ1003ECZZ	AE		C	Caution label
8	TCAUH1007ECZZ	DD	N	D	Caution card
9	TINSM1072ECZZ	AG	N	D	Instruction book (English)

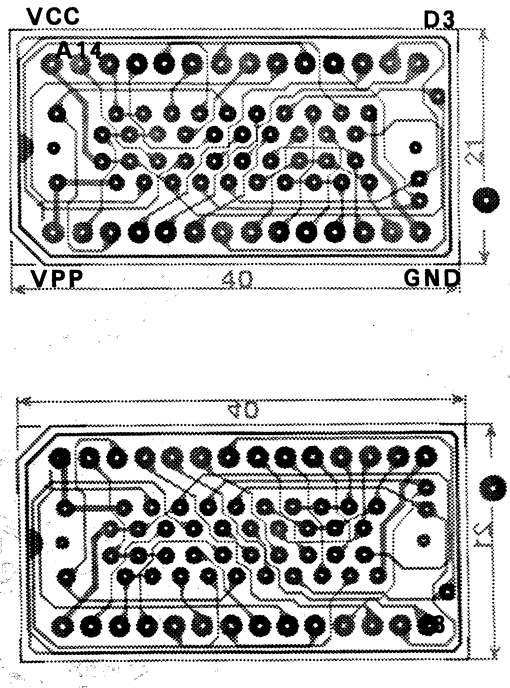




9. CE-1601E Circuit Diagram



10. CE-1601E signal Description



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